

NURUL AMIN

London, United Kingdom | Nurul.amin.15@ucl.ac.uk | <https://www.linkedin.com/in/nurulamin15>

EDUCATION

University College London, BEng (Hons) Electronic & Electrical Engineering **2015-2018**

- Year one and year two grade: *First Class* (Top 12)
- Group Projects: Nine projects where I led two integrated engineering projects within interdisciplinary teams of 10 & achieved the best project video award in one
- How To Change The World: Two week group project which involved solving a worldwide problem

St Paul's Way Trust School

2008-2015

- A-Levels: Mathematics - A* (94%), Economics - A* (89%), Physics - A (86%), Geography - B (AS)
- GCSEs: 10 passes including English Language A and Mathematics A
- Awarded the Worshipful Company of Drapers Medal for achieving the best A-level results in my cohort

WORK EXPERIENCE

Tutor - FireTech Camp

June 2017 - Present

- Teaching students of all ages about a wide range of topics from microcontrollers to java programming
- Delivering classroom lessons with the responsibility of managing small groups of up to 8 students
- Responsible for running and organising workshops and tutoring sessions throughout the year
- Recognized by a senior executive during a workshop for providing guidance in a team building exercise

Software Engineer Intern - Green Running

February 2017 - Present

- Successfully implemented signal processing using ADC and sensors using embedded hardware
- Development of test methods that quantitatively show performance and technical variation whilst recording procedures and results throughout
- Accelerated the production of a product by 1 week and being told I was being too efficient in doing so
- Cultivated experience in working with large amounts of datasets and automating tasks
- Extensively researching materials and contacting suppliers to successfully make deals over the phone
- Working with the front-end team on Jira for QA testing which led to being praised by the CEO during a sprint

Accommodation Ambassador - University College London

September 2016

- Responsible for maintaining the environment effectively up to an appropriate standard
- Co-ordinated and managed a team to handle and organise welcome bags & boxes
- Communicated in a professional manner with new students to help them settle into accommodation

Engineering Research Intern - University College London

July – August 2016

- Established an innovating power inversion system to modularize low power solar panels
- Delivered a project report and actively worked under pressure demonstrating planning & analysis skills
- Developed wider personal skills by collaborating with chemical engineers on battery technology
- Implemented the findings for master student projects and hope it will lead to a patent for UCL

Engineering Research Intern - Nuffield Research Foundation

August 2014

- Conducted at City University London where I designed, built and analysed a model tower crane
- Observations were documented throughout while writing a full project report improving my technical skills
- Developed the project as a team exercise for first year civil engineering students

General Assistant - NatWest

June 2012

- Supported in a range of roles where I created opportunities to provide outstanding customer service
- Liaised with colleagues in meetings, building my capabilities through feedback and learning

OTHER SKILLS AND ACTIVITIES

- **Languages:** C, Java, Bash, Python, HTML, CSS, JavaScript, SystemVerilog, MIPS Assembly
- **Tools:** Windows, Linux, Git, MATLAB, LabVIEW, Simulink, Microcontrollers, FPGA's, PCB Design
- **Fleming Society:** Volunteering at various electronics workshops for sixth form students throughout the year
- **Open day steward:** Engaging with and influencing prospective students
- **Hobbies:** Football, running & rock climbing
- Full UK Driving License